Application No.: 09/517,952   Docket No.: MWS-037RCE
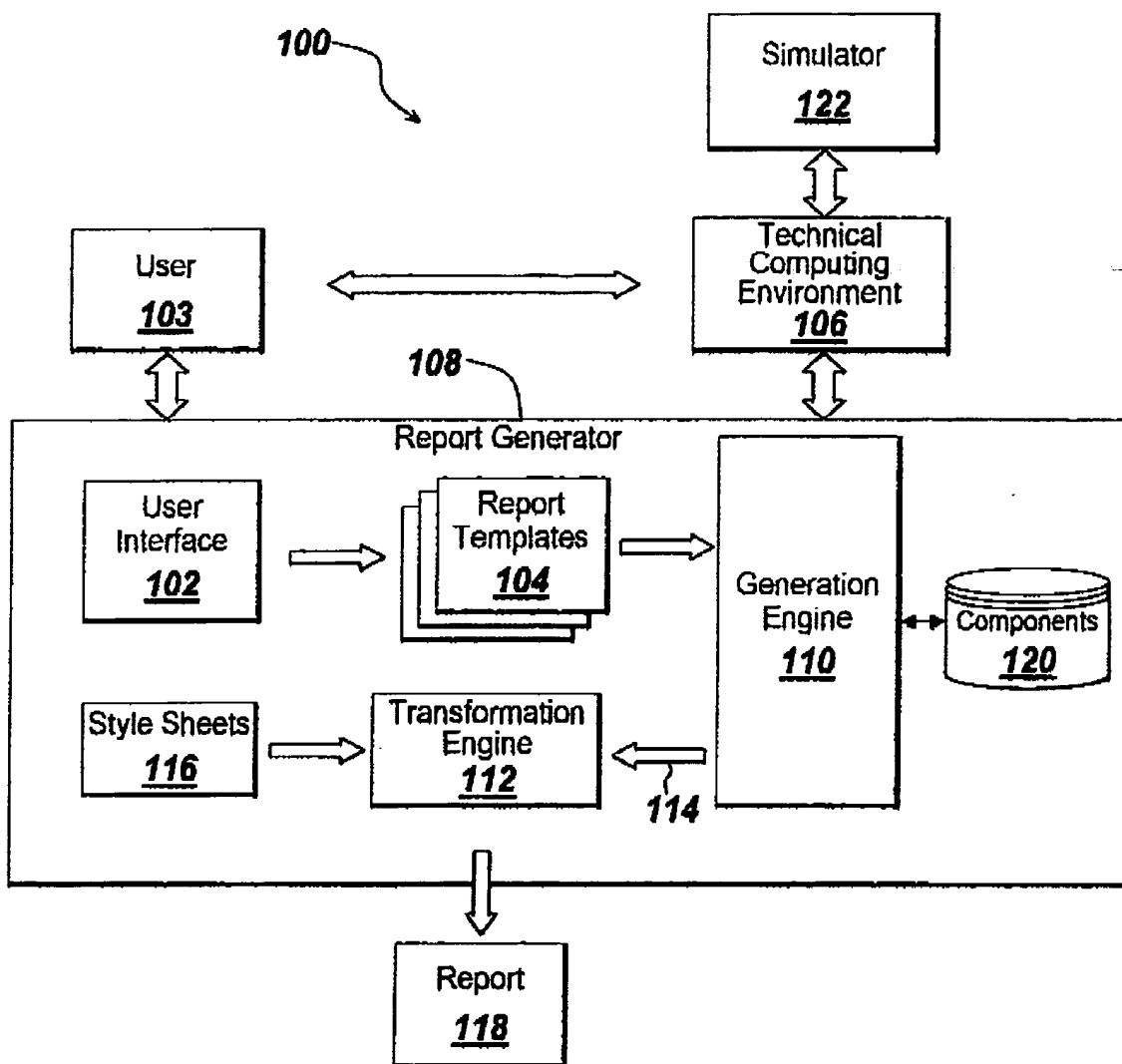
AMENDMENTS TO THE DRAWINGS

The Examiner objected to Figures 3-10 because the characters in the shaded area were not shown clearly. Applicants direct the Examiners attention to substitute Figures 3-10 which were submitted on June 9, 2004, to correct the objection by removing the shading from the areas where characters are shown. For the Examiner's convenience, Applicants submit a second set of substitute Figures 3-10.

-2-

Inventor: David CRITZ et al.
Title: REPORT GENERATOR FOR A MATHEMATICAL
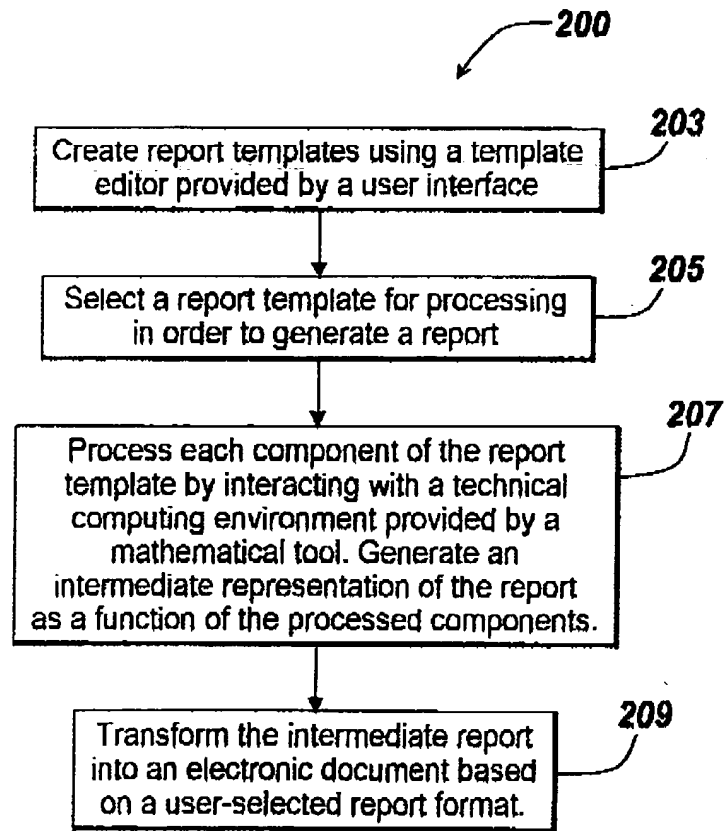COMPUTING ENVIRONMENT
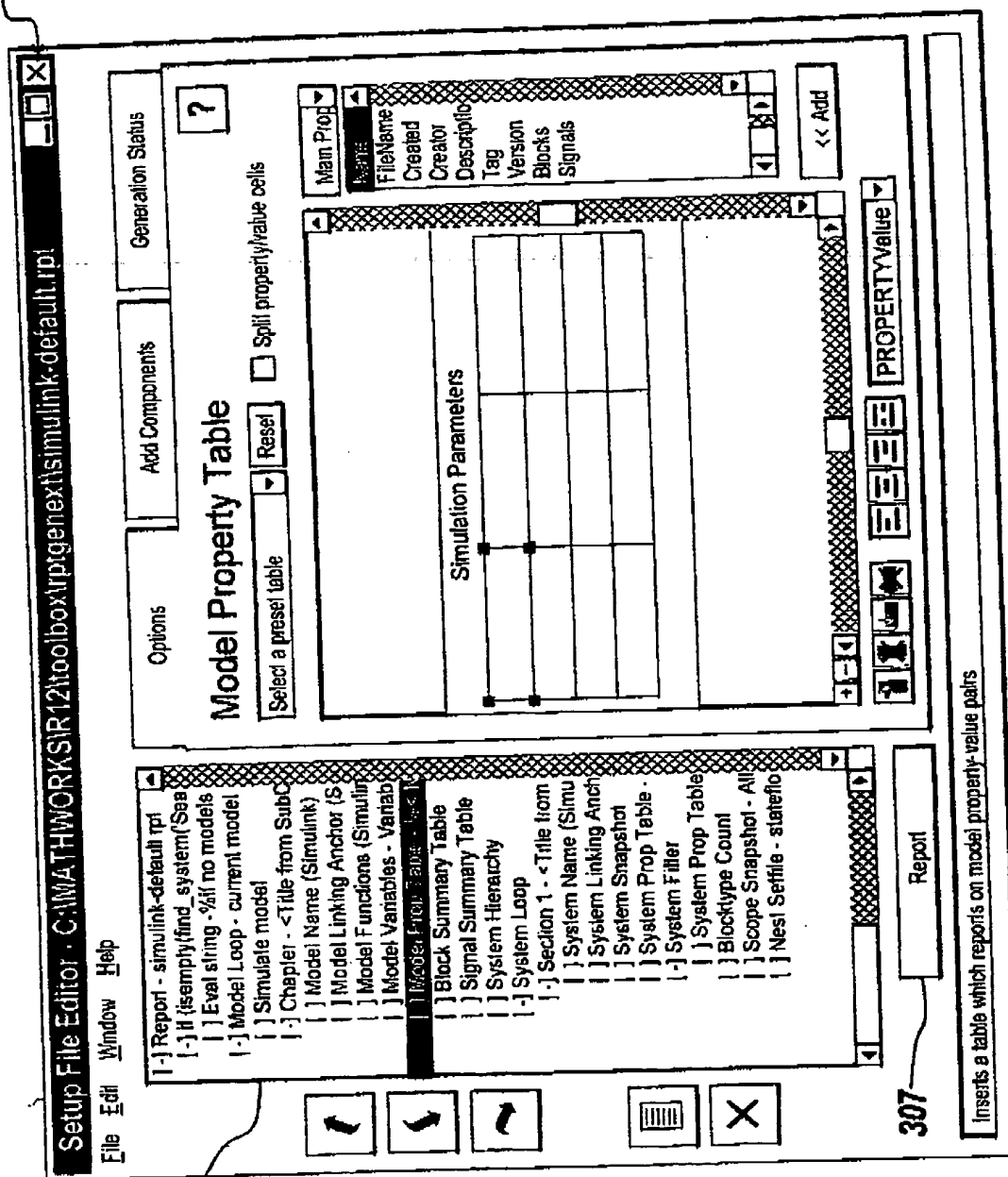
REPLACEMENT SHEET

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Fig. 1

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—200

Create report templates using a template
editor provided by a user interface — 203

Select a report template for processing
in order to generate a report — 205

Process each component of the report
template by interacting with a technical
computing environment provided by a
mathematical tool. Generate an
intermediate representation of the report
as a function of the processed components. — 207

Transform the intermediate report
into an electronic document based
on a user-selected report format. — 209

Fig. 2

REPLACEMENT SHEET

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Fig. 3

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400

C:\MATHWORKS\R12\toolbox\fixpoint\fixpt-report.rpt
C:\MATHWORKS\R12\toolbox\rptgen\figloop-tutorial.rpt
C:\MATHWORKS\R12\toolbox\rptgen\mfile-report.rpt
C:\MATHWORKS\R12\toolbox\rptgen\wsvar-report.rpt
C:\MATHWORKS\R12\toolbox\rptgen\ch1-tutorial.rpt
C:\MATHWORKS\R12\toolbox\rptgen\magic-square.rpt
C:\MATHWORKS\R12\toolbox\rptgen\simple-report.rpt
C:\MATHWORKS\R12\toolbox\rptgen\slideshow-book.rpt
C:\MATHWORKS\R12\toolbox\rptgenext\simulink-default.rpt
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C:\MATHWORKS\R12\toolbox\rptgenext\simulink-summary.rpt
C:\MATHWORKS\R12\toolbox\rptgenext\simulink-images.rpt
C:\MATHWORKS\R12\toolbox\rptgenext\stateflow-nest.rpt
C:\MATHWORKS\R12\toolbox\rptgenext\simulink-blank.rpt
C:\MATHWORKS\R12\toolbox\rptgenext\stateflow-default.rpt

C:\MATHWORKS\R12\toolbox\rptgenext\simulink-dynamic.rpt

Simulink Dynamic Report

This report opens up a model, sets a block parameter several
times, simulates the model, and collects results. Results which fall

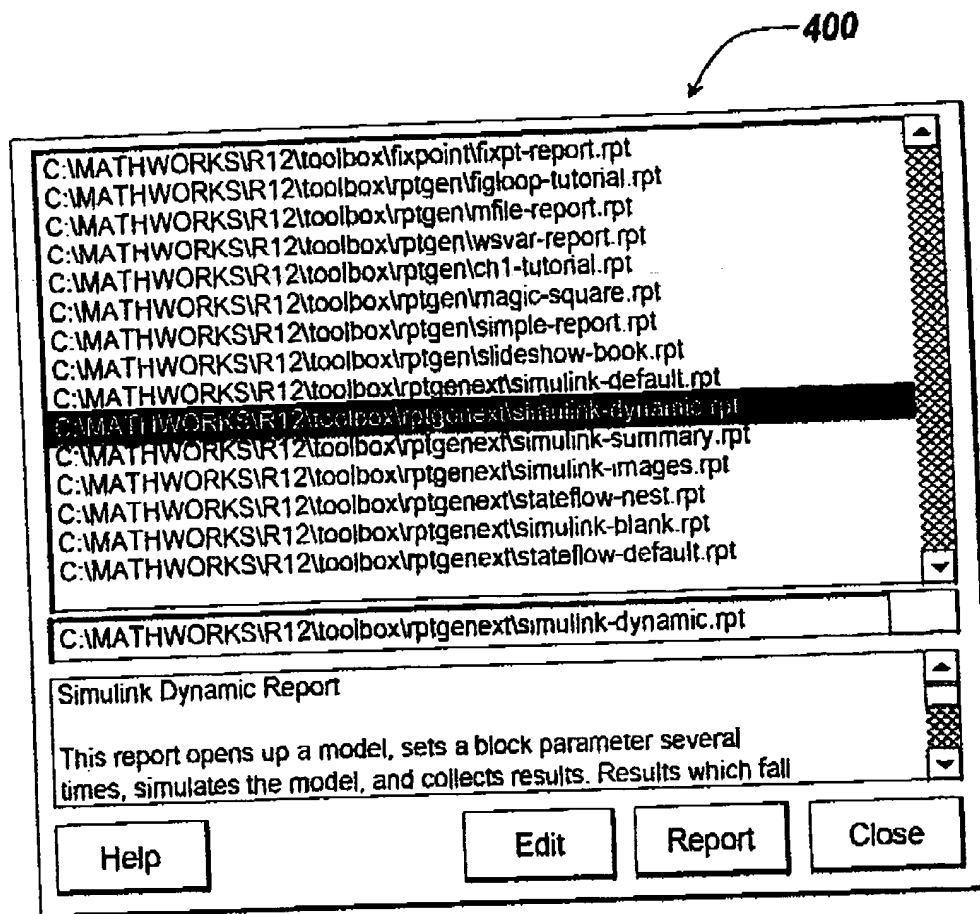| Help | | Edit | Report | Close |

Fig. 4

REPLACEMENT SHEET

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Fig. 5

Inventor: David CRITZ et al.
Title: REPORT GENERATOR FOR A MATHEMATICAL
COMPUTING ENVIRONMENT

REPLACEMENT SHEET

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Fig. 6

Inventor: David CRITZ et al.
Title: REPORT GENERATOR FOR A MATHEMATICAL
COMPUTING ENVIRONMENT

REPLACEMENT SHEET

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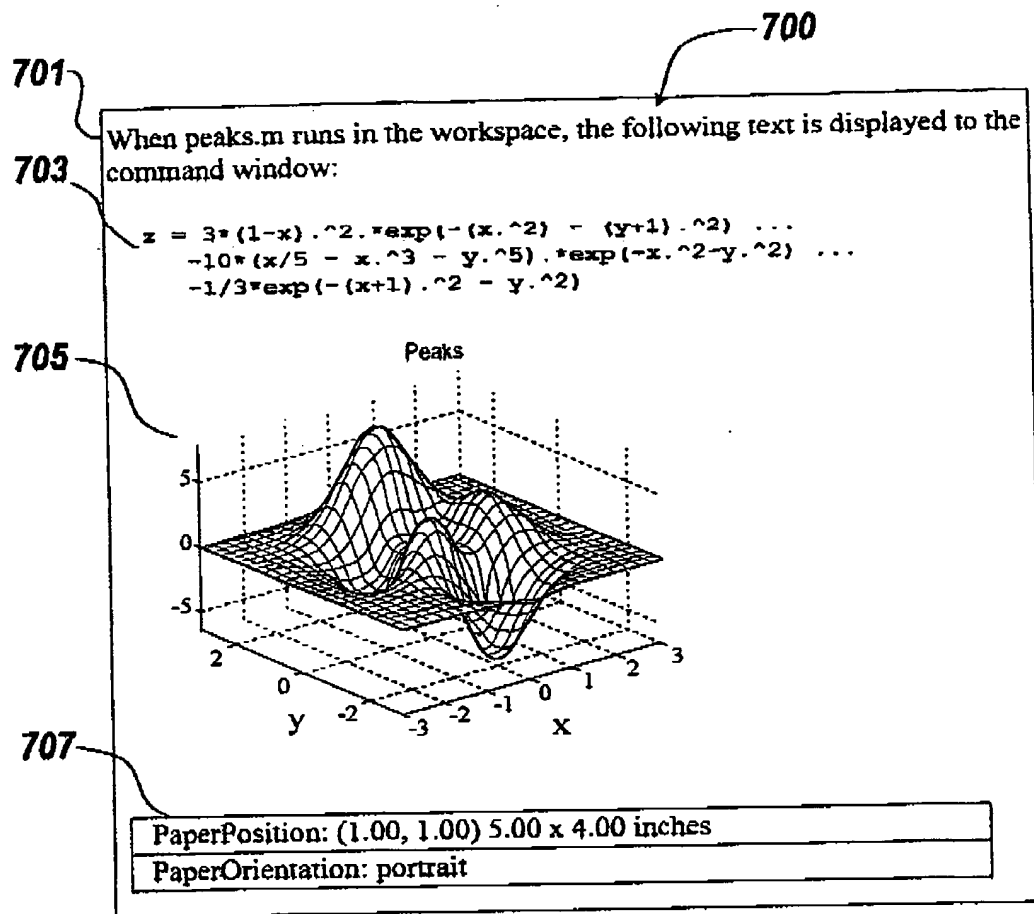
701 —700

703 When peaks.m runs in the workspace, the following text is displayed to the command window:

```
z = 3*(1-x).^2.*exp(-(x.^2) - (y+1).^2) ...
    -10*(x/5 - x.^3 - y.^5).*exp(-x.^2-y.^2) ...
    -1/3*exp(-(x+1).^2 - y.^2)
```

705 — Peaks

707

| PaperPosition: (1.00, 1.00) 5.00 x 4.00 inches |
| PaperOrientation: portrait |

Fig. 7

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Formating Components

Component	Output / Behavior
cfrcelltable	Cell Table
cfrsection	Chapter/Subsection
cfrimage	Image
cfrlink	Link
cfrlist	List
cfrparagraph	Paragraph
cfrtext	Text
cfr_titlepage	Title Page

Graphic Handling Components

Component	Output / Behavior
chgfigloop	Figure Loop
chgfigproptable	Figure Property Table
chgfigsnap	Graphics Figure Snapshot
chgobjname	Graphics Object Name
chgproperty	Handle Graphics Parameter

Logical & Flow Control Components

Component	Output / Behavior
cloelse	<if> Else
cloelseif	<if> Elseif
clothen	<if> Then
clofor	For Loop
cloif	Logical If

Fig. 8

REPLACEMENT SHEET

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Technical Computing Components

Component	Output / Behavior
cmleval	Evaluate an Expression
cmlvariable	Insert Variable
cml_ver	MATLAB/Toolbox Version Number
cmlwhos	Variable Table

Reporting Components

Component	Output / Behavior
crg_comment	Comment
crgempty	Empty Component
crg_import_file	Import File
crgnestset	Nest Setup File
crg_halt_gen	Stop Report Generation
crgtds	Time/Date Stamp

Fig. 9

REPLACEMENT SHEET

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Simulator Components

Component	Output / Behavior
cslsortblocklist	Block Execution Order
csl_blk_loop	Block Loop
csl_blk_proptable	Block Property Table
cslblockcount	Block Type Count
csl_mdl_changelog	Model Change Log
csl_functions	Model Functions
csl_mdl_loop	Model Loop
csl_mdl_proptable	Model Property Table
cslsim	Model Simulation
csl_variables	Model Variables
csllinktarget	Object Linking Anchor
csllinkname	Object Name
cslproperty	Object Property
csl_summ_table	Object Summary Table
cslscopesnap	Scope Snapshot
csl_sig_loop	Signal Loop
csl_sig_proptable	Signal Property Table
cslfilter	System Filter
cslsyslist	System Hierarchy
csl_sys_loop	System Loop
csl_sys_proptable	System Property Table
cslsnapshot	System Snapshot

State Control Components

Component	Output / Behavior
csf_hier_loop	Stateflow Loop
csf_obj_report	Stateflow Object Report
csf_prop_table	Stateflow Property Table
csf_snapshot	Stateflow Snapshot
crg_halt_gen	Stop Report Generation

Fig. 10

Inventor: David CRITZ et al.
Title: REPORT GENERATOR FOR A MATHEMATICAL
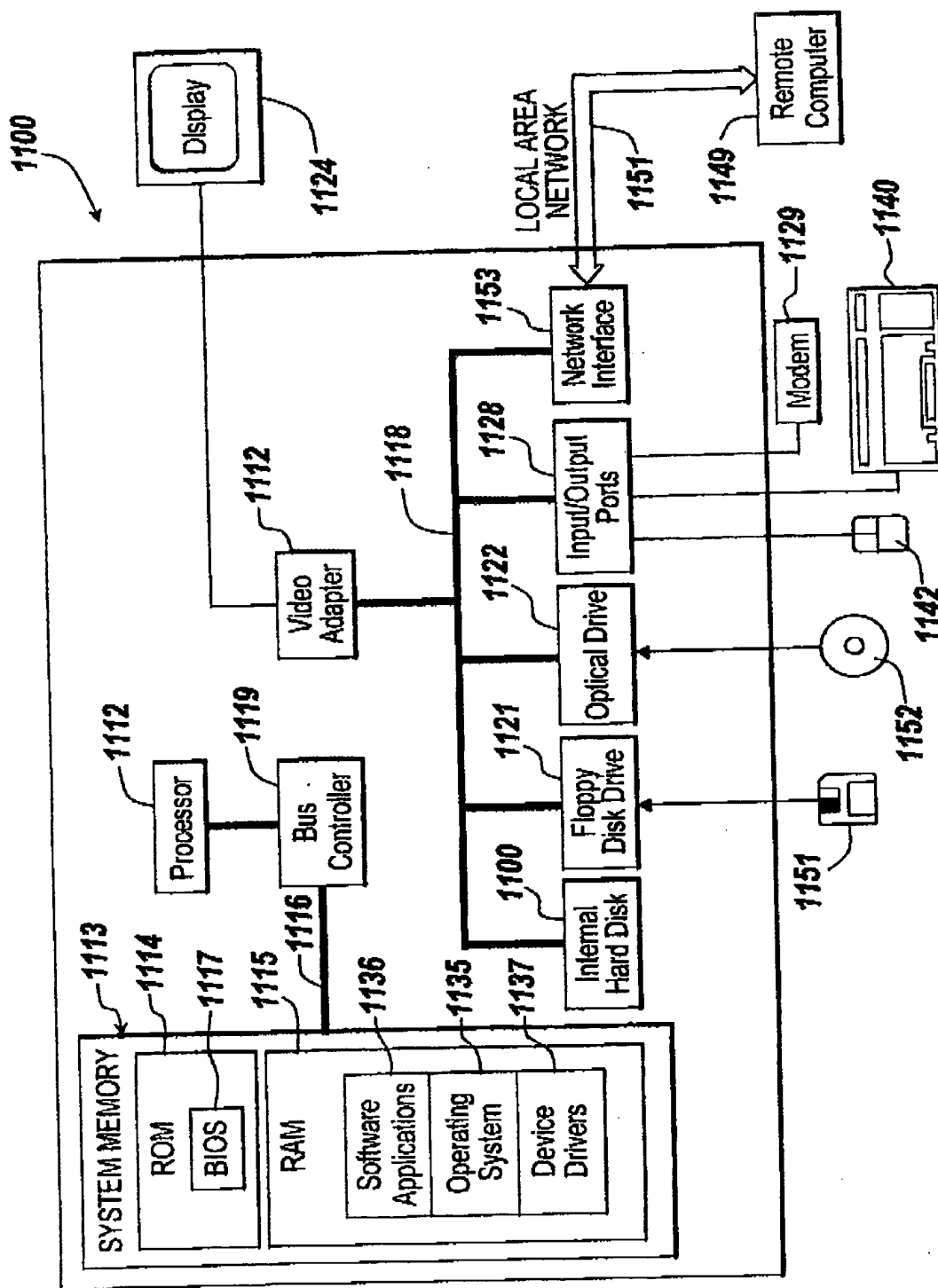   COMPUTING ENVIRONMENT

REPLACEMENT SHEET

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Fig. 11